

OPTICAL TRANSMISSION MODULE AND OPTICAL TRANSMITTER USING IT

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- **International:** H01L31/12; H01S5/0687; H01L31/12; H01S5/00; (IPC1-7): H01L31/12; H01S5/0687

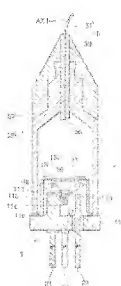
- **European:**

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Abstract of JP 2005259985 (A)

PROBLEM TO BE SOLVED: To provide an optical transmission module which monitors the front light of a semiconductor light-emitting device, and to provide an optical transmitter using it. ; **SOLUTION:** The optical transmission module 100 includes the semiconductor light-emitting device 17 which generates signal light; a photodiode 19 for monitoring which includes a light incident face 19a to receive the signal light and a light emitting face 19b to emit a part of the signal light, and monitors the semiconductor light-emitting device 17; an optical transmission medium 5 which receives the signal light from the light emitting face of the photodiode 19 for monitoring; and a package 7 which holds the optical transmission medium 5, the photodiode 19 for monitoring, and the semiconductor light-emitting device 17 in this order along a predetermined axis and includes a stem 11. The semiconductor light-emitting device 17 and the photodiode 19 for monitoring are provided on the stem 11. ; **COPYRIGHT.** (C)2005,JPO&NCIPI



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